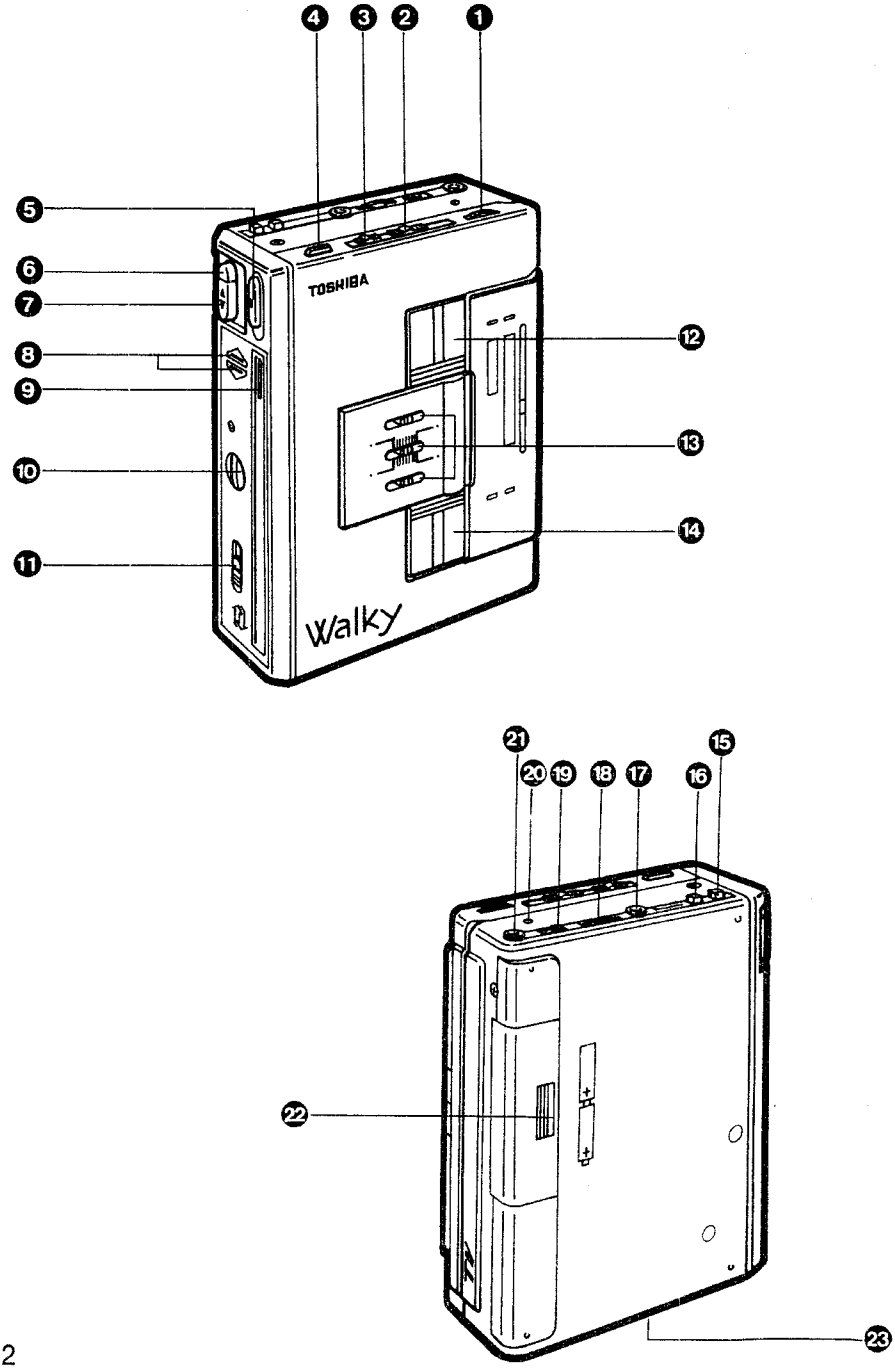
TOSHIBA

STEREO RADIO CASSETTE RECORDER

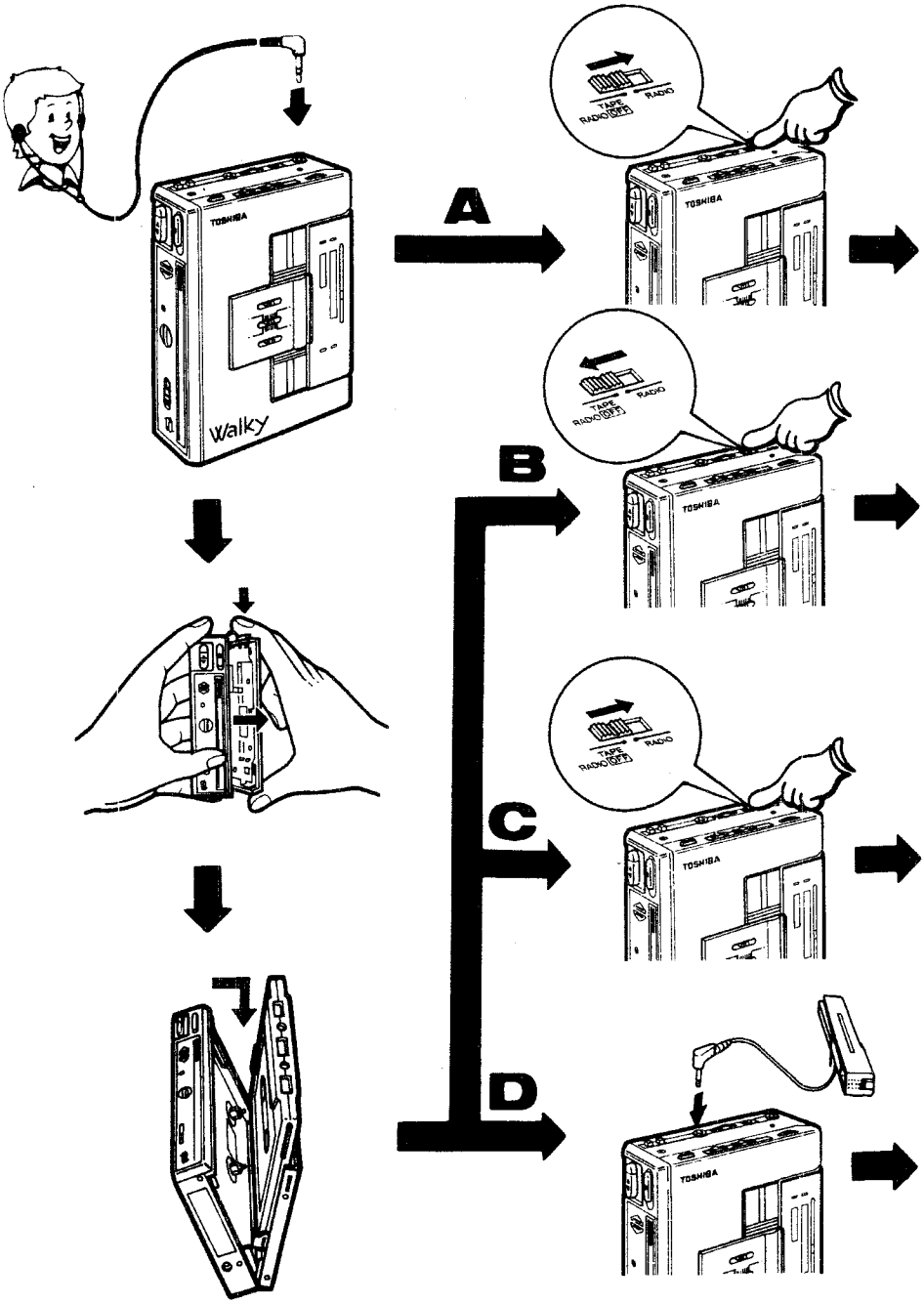
KT-V890

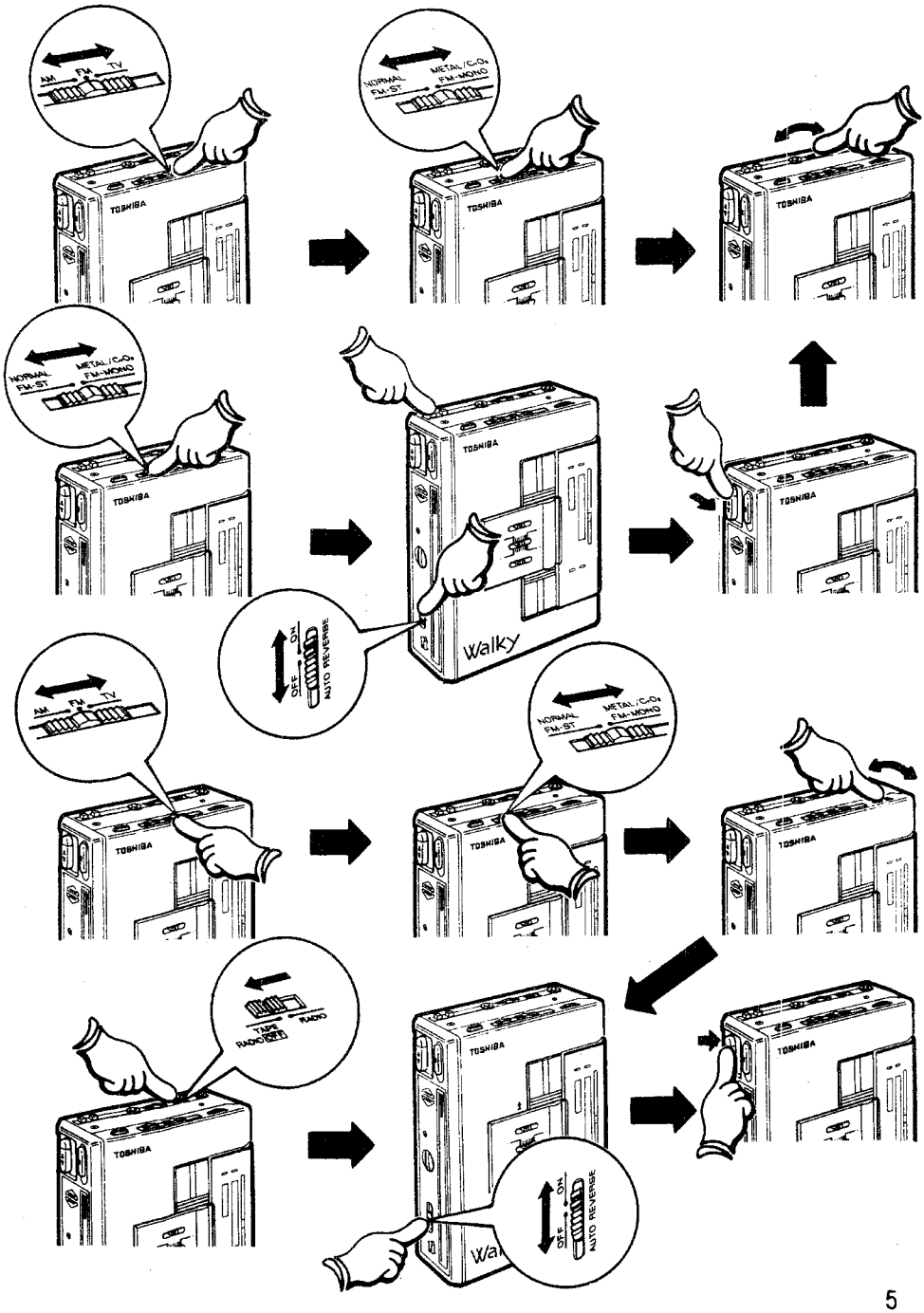

TOSHIBA
Walky

Control Features

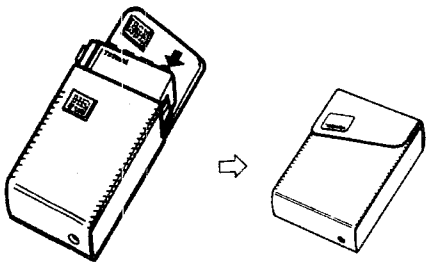
❶ [TUNING] knob
❷ [AM, FM, TV] band selector
❸ [NORMAL, METAL/CrO_2] tape selector/[FM-ST, FM-MONO] FM mode selector (dual operation)
❹ [OPEN] button
❺ [STOP] button
❻ [REC] button
❼ [PLAY] button
❽ [FWD, REV] indicators
❾ [REC] indicator
❿ [MANUAL] button
⓫ [AUTO REVERSE] selector
⓬ [▶▶] button
⓭ [GRAPHIC EQUALIZER] control
⓮ [◀◀] button
⓯ [DD */BEAT] switch (dual operation)
⓰ [FAST•PB] switch
⓱ [MIC] jack
⓲ [VOL] control
⓳ [TAPE/RADIO OFF, RADIO] function selector
⓴ [OPR] indicator
㉑ [PHONES] jack (also serves as a remote control jack)
㉒ Battery compartment lid
㉓ [DC IN 3V] jack

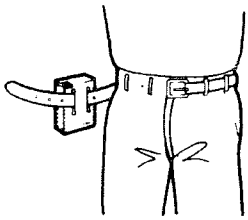
* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

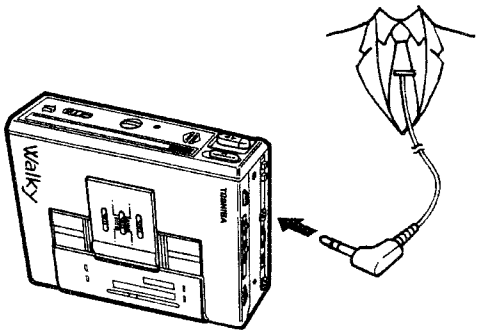

TOSHIBA
Walky
A
B
C
D
TAPE
RADIO
RADIO

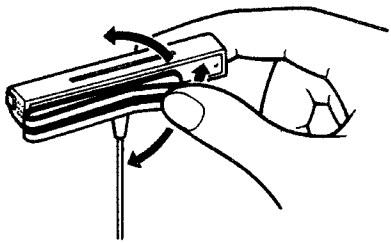

AM
FM
TV
NORMAL
FM-ST
METAL/CrO2
FM-MONO
TOSHIBA
Walky
ON
OFF
AUTO REVERSE
TAPE
RADIO

Using Accessories





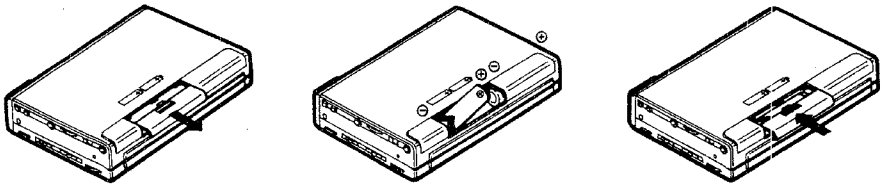




Power Supply

■ Using Batteries

1. Open the lid of the battery compartment by pushing it in the direction of the arrow.
2. Insert two size-AAA (IEC R03) batteries into the compartment.
   Ensure that their polarities are correct.
3. Close the lid.



- Press the [PLAY] button. The [OPR] indicator will light if the batteries are OK.
- If the indicator is dim or if neither indicator lights, replace both batteries with new ones.
- If the unit won't be used or if only AC mains power is to be used for a long period of time, remove the batteries. Otherwise they may leak and cause corrosion.

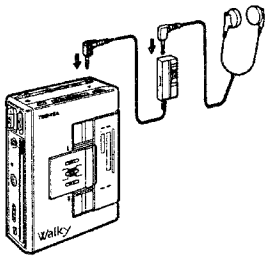
■ Using AC Mains Power

1. Purchase the optional AC adapter.
2. Plug the adapter into a convenient AC wall outlet.
3. Plug the other end into the [DC IN 3V] jack.
   This automatically disconnects any internal batteries.

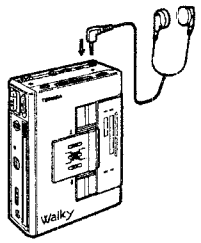
Caution: The center contact of the [DC IN 3V] jack requires a negative polarity. Some AC adapters may supply a positive polarity to this contact and damage the unit.

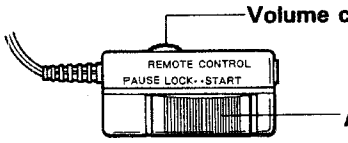
Using the Remote Controller

- Tape operation can be halted, and audio volume to the headphones controlled using the remote controller while the main set remains inside a carrying case or bag.
- You can switch the audio between the radio•TV and tape.



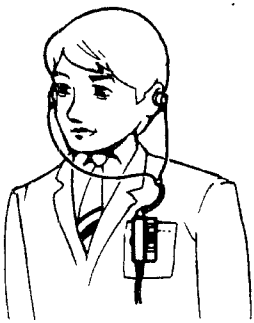
When the remote controller is not being used





"PAUSE LOCK": Halts the tape operation.
"START": Cancels the pause mode.

- If the [VOL] control on the main set is set to "0", audio is not heard through the headphones, even when the volume control on the remote controller is set to "MAX". Set the [VOL] control on the main set to "6" through "8", when using the set with the remote controller.
- The remote controller can be attached to a jacket pocket, etc. using the clip on the rear of the controller.



Using the Headphones

Apply the headphone with the indication [L] to your left ear and the indication [R] to your right ear.

■ Precautions for Using the Headphones

- Personal safety is everyone's responsibility. We urge extreme caution in the use of personal stereo equipment in potentially hazardous situations such as jogging or bicycling in public places. Under no circumstances should your personal stereo be used while operating a vehicle of any type.
- Be aware that the prolonged use or use of personal stereo at excessively high volume levels may be damaging to your hearing.

Using the Graphic Equalizer

- The graphic equalizer enables the low, middle and high frequencies to be boosted or reduced to change the overall sound as required.
- The three sliding knobs operate around frequencies of 100 Hz, 1 kHz and 10 kHz.
- Slide the knob in the + direction to increase the volume around that frequency and in the – direction to decrease it.

The graphic equalizer has no effect on the sound being recorded onto a cassette. It only affects the sound heard in the headphones during playback, radio listening or while monitoring the sound being recorded.

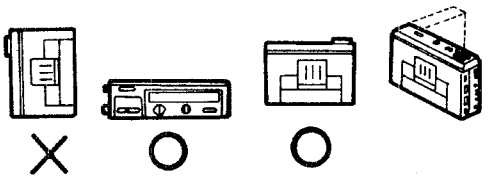
Using the Radio • TV

Refer to illustration **A** on page 4.

- Set the function selector to the "RADIO" position. The [OPR] indicator will light.
- To turn the radio off, set the function selector back to the "TAPE/RADIO [OFF]" position.
- When you are in a fringe service area of a particular FM station, the stereo program from that station may be noisy. In such a case, either stretch the headphones cord or set the FM mode selector to "FM-MONO" to reject the noise interference.

Antennas

- The FM•TV antenna is the headphones cord, so keep this cord straight (do not fold it) and move it until the best FM•TV reception is obtained.
- The AM antenna comes with the unit. Keep the unit vertical and turn it slowly until the best AM reception is obtained.



Reverse Mode (Playback)

- The front side means the side of the cassette facing the cassette housing lid and the rear side is the other side.

[AUTO REVERSE] selector	Playback
OFF	Automatically stops at the end of the side being played.
ON	Continues one side after another until manually stopped.

- The front side is played when the green [FWD] indicator is on.
- The rear side is played when the green [REV] indicator is on.
- Select the playback direction by pressing [MANUAL] button.

Auto Stop

The auto stop feature automatically disengages the tape transport and switches off the unit when the end of the tape is reached in playback and recording mode. Always press the [STOP] button to disengage the tape transport in fast-forward and rewind modes.

Notes: • The tape will not stop automatically if the [AUTO REVERSE] selector is in the "ON" position or after fast-forwarding or fast-rewinding. Use the [STOP] button.

Only press one tape operation button at a time. If the [PLAY] and [▶▶] or [◀◀] buttons are pressed at the same time, the tape will stop (and the batteries may flatten faster). If two buttons do get pushed together, press the [STOP] button and then the desired button.

Tape Playback

Refer to illustration **B** on page 4.

- To stop the tape, lightly press the [STOP] button. If the [PLAY] button is pressed again the tape will continue in the same direction.
- Set the [DOLBY /BEAT] switch to the "IN" position to play cassette recorded in Dolby NR. For others, including those recorded on this recorder, leave this switch in the "OUT" position.
- To fast-forward the front side (or fast-rewind the rear side), press the [STOP] button and then the [▶▶] button.
- To fast-rewind the front side (or fast-forward the rear side), press the [STOP] button and then the [◀◀] button.
- The indicating of the [FWD], [REV] indicators during fast-forward and fast-rewind is not an indication of the direction the tape is moving in.

Optional Operations

Audio can be switched between the radio•TV and tape using the remote controller.

1. Radio•TV broadcasts received according to illustration **A** on page 4.
2. Playback the tape according to illustration **B** on page 4.
3. Press the [STOP] button to cancel the tape operation. Remove the headphones from the main set and connect them to the remote controller.
4. Set function selector to "RADIO".
5. Press [PLAY] button.
6. Set [VOL] control to "6" through "8" and adjust the volume control on the remote controller.
7. Select either position of the audio selector on the remote controller.
   When the audio selector is set to;
   "PAUSE LOCK": the radio•TV audio is heard (the tape halts).
   "START": the tape playback audio is heard.

Reverse Mode (Recording)

[AUTO REVERSE] selector	Recording
OFF	Automatically stops at the end of the side being recorded on.
ON	If recording starts on the front side, the rear side is recorded on after the front side finishes. Automatically stops at the end of the rear side.

Recording

This set is suitable only for recording on a normal-position tape.

■ From the Radio•TV

Refer to illustration **C** on page 4.

★ If a beating sound is heard while recording from the AM radio, set the [DD/BEAT] switch to the position that gives the least interference.

Using the Remote Controller

Set the audio selector on the controller is set to;

"PAUSE LOCK": the recording halts (headphone audio is heard).
"START": the recording halted is released (headphone audio is heard).

- Always set the audio selector by listening to the sound through the headphones.

■ Using the Supplied Stereo Microphone

Refer to the illustrations on page 6 and illustration **D** on page 4.

★ If the attached one-point microphone is directed toward a sound source, the sounds from the right and left directions are recorded on the tape through the right and left microphones, respectively.

Using the Remote Controller

Set the audio selector on the controller to;

"PAUSE LOCK": the recording halts (headphone audio is not heard).
"START": the recording halts is released (headphone audio is heard).

- Always set the audio selector by listening to the sound through the headphones.

- Press the [REC] and [PLAY] buttons together. The red [REC] indicator is on during recording.
- After finishing recording, press the [STOP] button.
- The direction of the tape cannot be changed using the [MANUAL] button during a recording.
- Since the unit is equipped with an Automatic Level Control (ALC) system, the recording levels is always automatically set for optimum recording—manual setting is not required.
- To monitor the recording, plug the headphones into the [PHONES] jack and adjust the {VOL], [GRAPHIC EQUALIZER] controls.
- The attached one-point stereo microphone is dedicated to this system and is not available for other sets.

Erasing a Recorded Tape

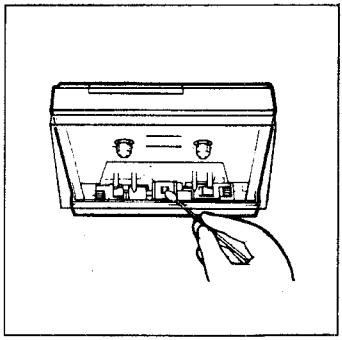
Make a recording with nothing plugged into the [MIC] jack and with the function selector to the "TAPE/RADIO [OFF]" position.

Precautions for Recording

1. Before recording, always check the side and direction of the tape to be recorded on. The front side is recorded on when the green [FWD] indicator is on. The rear side is recorded on when the green [REV] indicator is on.
2. The "METAL/CrO_2" position of the tape selector is for playback only and the position of the selector has no effect on the sound being recorded. Always use normal (ferric) tape for recording.
3. If the erasure-prevention tabs have been removed from a cassette, it cannot be used for recording unless the slots are covered with a small piece of sticky tape.
4. When the recording is stopped, press the [REC] and [PLAY] buttons again the tape will continue in the same direction.
5. The built-in Dolby NR (noise reduction) system is for playback only and cannot be used for recording. The setting of the [DD /BEAT] switch has no effect on the sound being recorded.
6. When using a cassette tape that has one of the erasure-prevention tabs broken out, if you only want to record one side of the tape, place face up the side which goes together with the unbroken tab. Please record after checking that the [FWD] indicator lights in green.

Care and Maintenance

To ensure the highest performance from the unit, keep the heads, the capstans and the pinch rollers completely clean.



■ Cleaning the Heads, Capstans and Pinch Rollers

1. Fully open the cassette housing lid.
2. Moisten a cotton bud with denatured alcohol.
3. Gently wipe the heads and capstans. Only wipe the head surfaces in the two directions the tape moves over them, being careful not to scratch them.
4. Moisten a cotton bud with special rubber cleaner.
5. Clean the pinch rollers with the bud.

■ Cleaning the Casing

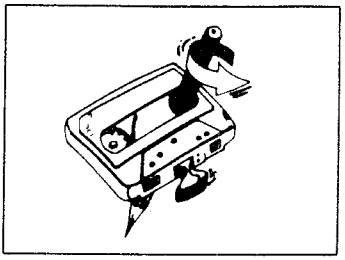
Wipe the housing with a soft, dry cloth. If dirt remains, use a soft cloth moistened with water and then a dry cloth.

Caution: Never use solvents such as alcohol, benzene or paint thinner as this may deform or discolor the casing.

Cassette Tapes

■ Tape Slack

Before inserting a cassette into the unit, remove any slack in the tape to prevent it from becoming entangled around the capstan. Use a pencil or finger to turn the cassette hub.



Notes and Precautions

1. To prevent faults and physical deformation, do not operate or leave the recorder:
   - in direct sunlight (especially in a closed car).
   - in the path of direct radiation or hot air from heating devices, or where there is oily smoke or excessive moisture, such as in a kitchen.
2. Do not place the unit or cassettes near strong magnetic fields. Do not leave them on a radio, TV or stereo equipment.
3. Do not touch the unit with wet hands.

In case of Difficulties

If the unit does not operate properly, check the following points.

- **Auto reverse not operating:**
  - Set the [AUTO REVERSE] selector to the "ON" position.
- **[REC] button will not click into position:**
  - Load a cassette.
  - Remove the erasure-prevention tab from the cassette.
- **Sound fades or is unsteady:**
  - Clean the head, pinch roller and capstan.
- **Poor FM•TV radio reception:**
  - Straighten and adjust the headphones cord.
  - Set the FM mode selector to the "FM-MONO" position or move the unit nearer to the window.
- **[PLAY] button will not lock:**
  - Load a cassette.

Specifications

Receiving frequency:	FM•TV 1-3CH: 87.5 MHz to 108 MHz TV 4-12CH: 175 MHz to 222 MHz AM: 526.5 kHz to 1606.5 kHz
Antenna:	FM·TV: Headphones cord AM: Ferrite-core antenna
Track system:	4-track, 2-channel stereo
Recording system:	AC bias
Erasing system:	Magnetic erasure
Recommended tapes:	Normal (ferric), chrome and metal: C-30 to C-90
Tape speed:	4.8 cm/sec.
Frequency response:	Playback: Normal 40 Hz — 14 kHz METAL/CrO_2 40 Hz — 16 kHz Recording: Normal 100 Hz — 10 kHz
Input terminal:	Microphone jack [MIC]: 3.5-mm dia. stereo × 1 (exclusively for the attached microphone)
Output terminal:	Headphones jack [PHONES]: 3.5-mm dia. stereo × 1
Maximum output power:	24 mW (12 mW + 12 mW)
Power supply:	DC 3 V (IEC R03; size-AAA battery × 2) External power source supplied to the [DC IN 3V] jack (negative polarity to 3.4-mm dia. center contact)
Dimensions:	77.9 (W) × 113 (H) × 26 (D) mm
Weight:	235 g (without batteries)

• *Specifications are subject to change without notice due to improvement.*

TOSHIBA

MANUFACTURED BY
TOSHIBA CORPORATION

22906907 Ⓣ